



REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY

LIST OF MATERIALS

- ① APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY, BALL VALVES INCLUDED
- ② TYPE "L" COPPER PIPE, 3/4" THRU 2"
- ③ 90° ELL, COPPER, 3/4" THRU 2"
- ④ PIPE UNION, BRASS OR COPPER

GENERAL NOTES

1. CONTACT CITY OF MESA, WATER QUALITY SERVICES, FOR LATEST LIST OF APPROVED BACKFLOW PREVENTERS OR CERTIFIED TESTERS.
2. BACKFLOW PREVENTERS MUST BE TESTED BY A CERTIFIED TESTER BEFORE A FINAL APPROVAL IS ISSUED.
3. ALL COPPER PIPE JOINTS SHALL BE SOLDERED. THE SOLDER ALLOY SHALL COMPLY W/ ASTM B 32 HAVING A SILVER CONTENT OF NOT LESS THAN 3.4% INTENDED FOR JOINING COPPER PIPES FOR POTABLE WATER SYSTEMS (GRADES SN 94, SN 95, OR SN 96). THE FLUX SHALL BE TYPE OA FOR GENERAL SOLDERING ON COPPER.
4. INSTALL A BRASS PIPE PLUG IN EACH TESTCOCK ON THE ASSEMBLY.
5. FINISHED GRADE UNDER THE BACKFLOW PREVENTER SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
6. PROVIDE 12-INCH MINIMUM CLEARANCE BETWEEN BACKFLOW PREVENTION ASSEMBLY AND PERMANENT STRUCTURES OR LANDSCAPE VEGETATION.

REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY; FOR ASSEMBLIES 2 INCHES AND LESS

DETAIL NO.
M-31.3